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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/306,688	05/06/1999	OLIVER T. BAYLEY	INT1P027	3807

21912 7590 02/13/2004

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EXAMINER

BROWN, VERNAL U

ART UNIT	PAPER NUMBER
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2635

DATE MAILED: 02/13/2004

24

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/306,688

Applicant(s)

BAYLEY ET AL.

Examiner

Vernal U Brown

Art Unit

2635

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 January 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,6-9 and 20-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,6-9 and 20-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 May 1999 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☒ Interview Summary (PTO-413) Paper No(s). 24.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

This action is responsive to communication filed on January 26, 2004.

Response to Amendment

The examiner has acknowledged the amendment of claims 1 and 22

Response to Arguments

Applicant's arguments with respect to claims 1, 6-9, and 20-28 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1, 6-9, 20-28 is rejected under 35 U.S.C. 103(a) as being unpatentable over Want et al. U.S Patent 6008727 in view of Armstrong U.S Patent 5461385 and further in view of West U.S Patent 5936523.

Regarding claims 1 and 22, Want et al teaches an interactive radio frequency tag comprising a passive radio frequency transponder (col. 11 lines 16-19), including an antenna (158), an interface for receiving external stimulus and integrated circuit (col. 3 lines 10-15) responsive to external stimulus. Want et al. is however silent on teaching one or more integrated circuit responsive to an external stimulus to irreversibly change the state of the transponder between a first active state in which the transponder provides a first active response and a second active state in which the transponder provides a second

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active response in response to an external stimulus and the external stimulus responds to an irreversible change in the material property of a component of the radio frequency tag.

Armstrong in an art related RF/ID Transponder System Employing Multiple

Transponders And A Sensor invention teaches a transponder having one or more

integrated circuit responsive to an external stimulus to change the state of the transponder

between a first active state in which the transponder provides a first active response and a

second active state in which the transponder provides a second active response (col. 2

lines 45-54) but is also silent on teaching the external stimulus responds to an irreversible

change in the material property of a component of the radio frequency tag. West in an art

related tag system teaches a device for detecting environmental condition and the device

undergoes irreversible reaction when the device is subject to certain environmental

condition (col. 2 lines 20-27).

It would have been obvious to one of ordinary skill in the art to have one or more integrated circuit responsive to an external stimulus to irreversibly change the state of the

transponder between a first active state in which the transponder provides a first active

response and a second active state in which the transponder provides a second active

response in response to an external stimulus and the external stimulus responds to an

irreversible change in the material property of a component of the radio frequency tag in

Want et al. as evidenced Armstrong in view of West because Want et al. suggests a

transponder with integrated circuit and responsive to external stimulus and Armstrong

teaches a transponder having one or more integrated circuit responsive to an external

stimulus to change the state of the transponder between a first active state in which the

transponder provides a first active response and a second active state in which the

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transponder provides a second active response in order to provide different information based on the external stimulus. West further teaches a device for detecting environmental condition and the device undergoes irreversible reaction when the device is subject to certain environmental condition.

Regarding claims 6 and 7, Want et al teaches an interactive radio frequency tag apparatus comprising of an output device in the form of a light emitting diode which generates a visible signal in (col. 17 lines 8).

Regarding claim 8, Want et al. teaches a radio frequency tag apparatus giving audio or visual indication (col. 12 line 2-3).

Regarding claim 9, Want et al teaches that the output device generates a tactile signal (col. 2 line 54).

Regarding claim 20, Want et al. teaches the use of various environmental sensors including temperature sensors (col. 3 lines 10-17).

Regarding claim 21, Want et al teaches a radio frequency tag apparatus with an output device of a light emitting diode or an audio alert signal output (col. 12 lines 3-4). Speakers are typically used to output an audio alert signal.

Regarding claim 23 and 24, Want et al is silent on teaching generating a signal to indicate that the state of the radio frequency tag has change. Want et al however teaches using a flashing LED to indicate the reading state of a radio frequency tag (col. 12 line 3). One skill in the art recognizes that a flashing LED provides a visible signal as to the state of the RF tag.

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Regarding claim 25, Want et al teaches an audible alert to provide indication of the state of the RF tag.

Regarding claim 26, Want et al teaches a tactile output based on internal state of the RF tag (col. 8. lines 40-41).

Regarding claim 27, Want et al teaches an interface that includes a button (col. 5 line 23).


Regarding claim 28, Want et al teaches a RF tag with an optionally attached sensor (560).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vernal U Brown whose telephone number is 703-305-3864. The examiner can normally be reached on M-Th, 8:30 AM-6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Horabik can be reached on 703-305-4704. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4750.


Vernal Brown
February 4, 2004

MICHAEL HORABIK
SUPERVISORY PATENT EXAMINER
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